

CLAIMS

1. A three-dimensional model forming apparatus for forming a three-dimensional model from images of a body to be handled, comprising:

a camera for acquiring images of the body to be handled;

an attitude sensor for acquiring the attitude information of the camera when the images are acquired; and

a processing means for storing and processing the images and the attitude information that have been acquired,

wherein the processing means calculates the positions of the camera when the respective images are acquired from the plurality of images and the attitude information that have been acquired; and

the three-dimensional model of the body to be handled is formed using the calculated positions of the camera and the contours of the body to be handled resulting from the acquired images.

2. A three-dimensional model forming apparatus according to claim 1, wherein the attitude sensor is a gyro sensor.

3. A three-dimensional model forming apparatus

calculating the positions by repeating these steps until they are converged.